

dy



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/345,659	06/30/1999	JAMES A. MICHENER	PD-990066	1480

20991 7590 08/10/2005

THE DIRECTV GROUP INC
PATENT DOCKET ADMINISTRATION RE/R11/A109
P O BOX 956
EL SEGUNDO, CA 90245-0956

EXAMINER

OPSASNICK, MICHAEL N

ART UNIT	PAPER NUMBER
----------	--------------

2655

DATE MAILED: 08/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/345,659

Applicant(s)

MICHENER ET AL

Examiner

Michael N. Opsasnick

Art Unit

2655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-16 and 28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-3 and 5-14 is/are allowed.
- 6) ☒ Claim(s) 15,16 and 28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: "Switching Between AC-3 and AES-3 Audio Formats for Television Transmission."

Allowable Subject Matter

2. Claims 1-3,5-14 are allowable over the prior art of record.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 15,16,28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hiroi (6549241) in view of Chawla (6360368).

As per claim 15, Hiroi (6549241) teaches an uplink transmitting AC-3 audio with video transmissions in a satellite broadcast system (col. 4 lines 35-50; col. 5 lines 60-65) comprising:

“an encoder.....digital transport packets” as data process handling the input signal (fig. 1), and mixing the signal to audio and video signals (fig. 1, subblock 150 -- stream combiner)

“a multiplexer.....guide data” as multiplexing the information, including guide information (fig. 1, subblock 145; fig 5a – category lists; and figure 6)

Hiroi (6549241) does not explicitly teach sensing a plurality of audio signal formats and redirecting the signals to a plurality of encoders (Hiroi (6549241) teaches separation of multistream data), however, Chawla (6360369) teaches a content manager that discerns different audio formats via a packet identifier (PID), (Chawla (6360369), col. 9 lines 4-14, col. 8 lines 40-42). Therefore, it would have been obvious to one of ordinary skill in the art of multistream data handlers to modify the teachings of Hiroi (6549241) with a content manager with the ability to discern differing audio formats because it would advantageously allow for the handling of several audio streams in different languages (Chawla (6360369), col. 8 lines 52-55).

As per claims 16,28, the combination of Hiroi (6549241) in view of Chawla (6360369) teaches detection of format type (as detecting the PID's, and determining which decoder/channel belongs to that particular packet (fig. 11 and fig. 12).

Response to Arguments

5. Applicant's arguments filed 5/23/05 with respect to the claims have been fully considered but they are not persuasive. As per applicant's arguments that Hiroi does not teach any switch logic to redirect differently formatted signals, the examiner argues that the combination of Hiroi in view of Chawla requires a switch logic to handle the different audio formats, as taught by Chawla (6360369), col. 9 lines 4-14, col. 8 lines 40-42

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Brunner et al (6498922 and 6266329) teaches a switching formatter to handle different types of formats (Fig. 3, subblock 44). Montpetit (6366761) teaches different formatted signals sharing the same channel (col. 7 line 64 – col. 8 line 5).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231
or faxed to:
(703) 872 9314,
(for informal or draft communications, please label "PROPOSED" or
"DRAFT")

Art Unit: 26554

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Opsasnick, telephone number (571)272-7623, who is available Tuesday-Thursday, 9am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Wayne Young, can be reached at (571)272-7582. The facsimile phone number for this group is (571)272-7629.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 2600 receptionist whose telephone number is (571) 272-2600, the 2600 Customer Service telephone number is (571)272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mno
8/7/05


Michael N. Opsasnick
Examiner
Art Unit 2655